

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

LW8044PC	FOR FURTHER see Notification of Transmittal of International Search Report ACTION (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
International application No.	International filing da	ate (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/KR 03/01510	29 July 2003 ((29.07.2003)	3 August 2002 (03.08.2002)	
Applicant	1			
SAMSUNG ELECTRONICS	CO LTD		:	
This international search report has been according to Article 18. A copy is being	en prepared by this Ing g transmitted to the	nternational Searching Au International Bureau.	thority and is transmitted to the applicant	
This international search report consist	s of a total of 5	sheets.		
It is also accompan	ied by a copy of each	prior art document cited	in this report.	
Basis of the report a. With regard to the language, language in which it was file	, the international sea	arch was carried out on the	e basis of the international application in the	
	was carried out on th		the international application furnished to this	
,	le and/or amino aci	d sequence disclosed in the listing:	ne international application, the international	
contained in the internat	-	•		
filed together with the in	nternational applicati	on in computer readable f	orm.	
furnished subsequently	to this Authority in v	ritten form.		
furnished subsequently	to this Authority in c	omputer readable form.		
the statement that the su international application as fi	bsequently furnished led has been furnishe	written sequence listing ord.	does not go beyond the disclosure in the	
the statement that the in been furnished.	formation recorded i	n computer readable form	is identical to the written sequence listing has	
2. Certain claims were fo	und unsearchable (See Box I).		
3. Unity of invention is la	cking (See Box II).			
4. With regard to the title,				
the text is approved as s	ubmitted by the appl	icant.		
the text has been established	shed by this Authorit	y to read as follows:	•	
5. With regard to the abstract,				
the text is approved as s	ubmitted by the appl	icant.		
the text has been establis within one month from	shed, according to Rethe date of mailing o	ule 38.2(b), by this Author f this international search	rity as it appears in Box III. The applicant may, report, submit comments to this Authority.	
6. The figure of the drawings to be	published with the at	stract is Figure No.: 1		
as suggested by the appl			None of the figures.	
because the applicant fa	iled to suggest a figu	re.		
because this figure bette	r characterizes the in	vention.	t Available Con	

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INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 03/01510-0

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The backlight assembly (100) includes a light source and a light guide plate (40). The light source includes a plurality of light generating parts (10, 20) that generate a first light. The light guide plate (40) includes side surfaces (41, 43), a light exiting surface (47) and a light reflecting surface (45). The light exiting surface (47) has a plurality of luminance-compensating patterns (47a). The light reflecting surface 845) faces the light exiting surface (47). The first light enters into the light guide plate (40) via the light incident surface (41, 43) to form a second light. The second light is reflected on the ight reflecting surface (45) toward the light exiting surface (47) to form a third light. The third light exits from the light guide plate (40) via the light exiting surface (47). The luminance-compensating patterns (47a) uniformize a luminance of the third light. A thickness of the light guide plate (40) decreases in a direction from the light incident surface (41, 43) to a center of the light quide plate (40).

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INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 03/01510-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: G02F 1/13357, G02B 6/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: G02F, G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI, PAJ

C. DO	C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
X Y A	US 5123077 A (ENDO et al.) 16 June 1992 (16.06.92) fig. 1,2,4-6; column 3, line 39 - column 7, line 59.	1,2,5,8,12 7,9,13 3,4			
×	EP 0663600 A1 (NITTO J. K. KABUSHIKI) 19 July 1995 (19.07.95)	1-3			
Y A	fig. 1-3,7,8; column 4, line 46 - column 9, line 15.	9, 5-8,12,13			
Y	EP 0607453 A1 (SEIKO EPSON COR.) 27 July 1994 (27.07.94) abstract; fig. 19.	7			
Α		1,12			

Further documents are listed in the continuation of Box C.	See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
4 December 2003 (04.12.2003)	21 January 2004 (21.01.2004)
Name and mailing adress of the ISA/AT Austrian Patent Office	Authorized officer
Dresdner Straße 87, A-1200 Vienna	GRONAU E.
Facsimile No. 1/53424/535	Telephone No. 1/53424/320

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International application No.

Communication). DOCUMENTS CONSIDERED TO BE				
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate of the relevant				
Category* Citation of document, with indication, where appropr	iate, of the relevant passages	Relevant to claim N		
fig. 9,10A-C,11A,B,12A-C,14,16,18,1 column 4, line 10; column 4, line 67	US 5450292 A (YOKOYAMA et al.) 12 September 1995 (12.09.95) fig. 9,10A-C,11A,B,12A-C,14,16,18,19; column 3, line 62 - column 4, line 10; column 4, line 67 - column 6, line 46.			
A Y EP 0500960 A1 (MITSUBISHI RAYO 2 September 1992 (02.09.92)	•	12 1-5,7,8,10,11		
page 4, line 56 - page 6, line 5; page 5,7,9,11.	6,lines 48-50; fig. 3-			
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INTERNATIONAL SEARCH REPORT

Information on patent family members



International application No. PCT/KR 03/01510-0

	Patent document cited in search report		Publication date	Patent family member(ş)		Publication date	
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